Form PTO-1449

U.S. Department of Commerce Patent and Trademark Office

Atty. Docket No. P23704

Applicant

Serial No. 10/646,859

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Hiroshi NOMURA (Use several sheets if necessary)

Filing Date Group August 25, 2003 2851

U.S. PATENT DOCUMENTS

	:_											
EXAMINER INITIAL	DOCUMENT NUMBER			ER	DATE.	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
	4	5	2	5	0	5	0	06/25/85	OHASHI		<u> </u>	
	4	6	4	3	5	5	5	02/17/87	WAKABAYASHI			
Al.	4	7	2	1	9	7	2	01/26/88	WAKABAYASHI			
	4	7	9	2	8	2	2	12/20/88	AKIYAMA et al.			
Mha	5	8	1	8	6	4	7	10/06/98	NISHIO et al.			
Mm	6	0	3	ı	9	9	8	02/29/00	SHONO			
Mha	4	4	5	1	1	2	9	05/29/84	IKARI et al.			
Um	4	6	4	3	5.	5	4	02/17/87	OGAWA			
Mon	4	7	7	1	3	0	3	09/13/88	MATSUMOYO et al.			
lln	4	8	8	7	1	0	7	12/12/89	NAKAMURA et al.			
M	5	1	3	6	3	2	4	08/04/92	TSUBOI et al .			
M	5	7	6	5	0	4	9	06/09/98	HASE et al.			
Mh	5	8	3	2	3	2	6	11/03/98	TANAKA			
	6	3	6	6	3	2	3	04/02/02	SHONO et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER			ER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSI YES	LATION NO			
Mm	5	8	ı	4	5	9	3	0	08/31/83	JAPAN		j		
M	6	ı	-	6	9	0	0	2	04/09/86	JAPAN				
Ry	6	ı	2	7	0	7	3	7	12/01/86	JAPAN				
Ulas	6	3	1	4	9	6	2	9	06/22/88	JAPAN				
Mes	6	4	•	3	4	6	2	3	03/02/89	JAPAN			х	
Illan.		6		1	8	7	7	7	01/28/94	JAPAN			х	
lles	7	-	1	9	1	2	4	9	07/28/95	JAPAN				
	1	1	. 1	0	9	2	0	3	04/23/99	JAPAN				

JAPAN OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

^{*}EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. Department of Commerce Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Include copy of this form with next communication to applicant.

Atty. Docket No. P23704

Serial No. 10/646,859

Applicant Hiroshi NOMURA

Filing Date

August 25, 2003

Group 2851 MAY 0 5 2004

<u> </u>									U.S. PATE	ENT DOCUMENTS			_		PADE
EXAMINER INITIAL		DOCUMENT NUMBER							DATE NAME			ASS	SUBC	LASS	FILING DATE IF APPROPRIATE
Mar	2004	/0	0	4	2	0	9	5	03/04/04	NOMURA	1				
Ma	2004	10	0	4	2	0	9	3	03/04/04	NOMURA	\top				
	2004	/0	0	6	2	5	3	6	04/01/04	NOMURA					
Ma	2004	/0	0	5	1	9	6	8	03/18/04	NOMURA		-			
May	2004	/0	0	5	1	9	7	0	03/18/04	NOMURA					
	2004	/0	0	6	2	5	3	7	04/01/04	NOMURA					
Ma	2004	/0	0	5	1	9	7	2	03/18/04	NOMURA					
lly lly	2004	/0	0	4	2	0	9	ı	03/04/04	NOMURA					
שו או	2004	/0	0	4	2	0	8	9	03/04/04	NOMURA					
May	2004	/0	0	5	ı	9	7	1	03/18/04	NOMURA					
	2004	/0	0	4	2	7	7	7	03/04/04	NOMURA					
Ma	2004	/0	0	. 4	2	7	7	8	03/04/04	NOMURA		T			
	2004	/0	0	5	1	9	6	9	03/18/04	NOMURA					
Man	2004	/0	0	5	ı	9	6	7	03/18/04	NOMURA .					
May	2004	/0	0	4	2	7	7	5	03/04/04	NOMURA					
May	2004	/0	0	4	2	0	9	6	03/04/04	NOMURA					
Mari	2004	/0	0	4	2	0	9	0	03/04/04	NOMURA	\prod				
May	2004	/0	0	4	2	7	7	6	03/04/04	NOMURA				·	-
	2004	/0	0	5	i	9	8	1	03/18/04	NOMURA					
M	2004	/0	0	4	2	0	9	2	03/04/04	NOMURA					
111.		6	3	6	6	3	2	3	04/02/02	SHONO					
Maj		6	1	1	5	1	9	0	09/05/00	HIRAI					
Mb		6	0	6	4	5	3	3	05/16/00	KENIN et al.					
	2003	/0	0	8	1	3	2	5	05/01/03	NOMURA et al.					
M.	2001	/0	0	2	4	5	7	3	09/27/01	NOMURA et al.					
Ma	2002	/0	-	3	5	9	0	0	09/26/02	NOMURA et al.					
		6	0	7	257	6	5	5	06/13/00	FUNAHASHI					
AMINER 2	M		T SH	M	<u> </u>					DATE CONSIDEREI	D	9/5/	04		

EXAMINER

															_			
Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office											Atty. Docket No. Serial No. P23704 10/646,859							
11	NFORM/	I	BY A	PPLI	CAN	T		MEN	NT		Applicant Hiroshi NOMURA							
	(L	lse se	veral	sheet	s if n	ecess	агу)				Filing Date Group August 25, 2003 2851							
									U.S. PATE	NT E	DOCUMENTS							
EXAMINER												FILING DATE						
INITIAL		 	DOC	П	Т	1	Γ	ı —	DATE	NAME		CLASS		<u>`</u>	SUBCLASS		IF APPROPRIATE	
ICV	2002	/0	1	3	5	9	0	1	09/26/02	NO	MURA et al.	_	+	_		-		
<i>W</i>	2003	/0	0	8	1	3	2	7	05/01/03	NO	MURA et al.		+	_		<u> </u>	·	
Mass	2002	/0	1	3	5	8	9	6	09/26/03	NO	MURA et al.		\perp			ļ		
lly		6	0	5	5	1	1	6	04/25/00	NO	MURA et al.		\perp					
Was		6	2	0	4	9	7	7	03/20/01	IW	ASA							
Mu		5	4	3	0	5	ι	6	07/04/95	UZ	IE et al.							
ll	2003	70	0	8	ì	9	4	8	05/01/03	NO	MURA et al.							
	2001	/0	0	ı	٠9	4	5	8	09/06/01	NO	MURA et al.				-			
Algg		4	9	9	3	8	1	5	02/19/91	ΥA	MAZAKI et al.							
Man		5	8	1	8	6	4	7	10/06/98	NISHIO et al.			\exists					
		5	7	3	1	9	1	3	03/24/98	IMANARI			\exists					
		5	7	3	9	9	6	2	04/14/98	ASA	AKURA et al.		\top					
	2003	/0	1	5	6	8	3	2	08/21/03	NO	MURA et al.		T					
		5	5	8	7	7	5	4	12/24/96	KA	ΓΑΥΑΜΑ et al.		T					
May		6	0	5	2	5	3	5	04/18/00	UN	O		1					
		5	2	2	3	8	7	3	06/29/93	TSU	JBOI -		1	一				
M		5	0	8	6	3	1	2	02/04/92	TAI	NAKA et al.			\dashv				
		5	4	9	9	1	4	3	03/12/96	SAI	CAMOTO et al.				ļ			
Was		6	0	6	9	7	4	5	05/30/00	FUJ	II et al.							
MI		6	3	2	4	0	1	9	11/27/01	TAI	CANASHI et al.			1				
Wy M		5	4	8	5	3	1	5	01/16/96	NO	MURA et al.							
												7						
										•								
						П								\exists				
						П							_	1				
					\vdash	Н					_	_		十				

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED

104

Form PTO-144	9				U.S Pa	S. De atent	partr and	nent (Frade	of Commerce mark Office		Atty. Docket No. P23704		Serial No. 10/646,859					
11	vFORM/		N DIS BY A				TATE	MEN	IT.		Applicant Hiroshi NOMURA							
(Use several sheets if necessary)											Filing Date August 25, 2003		Group 2851					
									U.S. PATEN	NT I	DOCUMENTS							
EXAMINER								-								FILING DATE		
INITIAL	 	_	DOC	UME	NT N	MUN	BER		DATE		NAME	CL	ASS	SUB	CLASS	IF APPROPRIATE		
	<u> </u>		_			<u></u>	<u> </u>											
														<u> </u>				
								FC	REIGN PAT	TEN	T DOCUMENTS				_			
21		DO	CUM	ENT	NUN	ивеі	R		DATE		COUNTRY	CL	ASS	SUB	CLASS	TRANSLATION YES NO		
Con m		58	-	1	0	7	0	8	01/21/83	JAI	PAN _							
		2	3	4	4	6	6	ı	06/14/00	UN	ITED KINGDOM							
		2	2 6 2 3 5 6					6	06/16/93	UN	ITED KINGDOM				T			
	2003	-	2	2 0 7 7 0 9 07/25/03 J					07/25/03	JAF	PAN ·							
		2	3	0	9	5	5	1	07/30/97	UN	ITED KINGDOM							
		2	3	4	4	6	6	2	06/14/00	UN	ITED KINGDOM							
		2	2	6	ı	2	9	8	05/12/93	UN	ITED KINGDOM							
	2002	-	2	7	7	7	1	9	09/25/02	JAF	PAN ·							
	10	-	2	8	2	3	9	4	10/23/98	JAF	PAN '					*		
Um	58	-	1	6	2	9	1	4	09/27/83	JAF	PAN .					*		
ll o		0	6	3	4	6	8	0	01/18/95	E.P	.O. ·							
Ma	,	10	-	3	2	7	4	0	02/03/98	JAF	'AN '				-	х		
[U]	7	-	2	8	8	7	2	4	10/31/95	JAF	PAN '					х		
												- 1						
				ОТІ	HER	DOC	CUM	ENT	S (Including	Aut	hor, Title, Date, Perti	nent	Pages,	Etc.)			·	
M		1	En	glis	h La	ngua	age 1	Abst	ract of JP 5	8-1	0708.							
Mad		2	En	glisl	h La	ngua	age i	A bst	ract of JP 2	003	3-207709.							
M		3	En	glisl	n La	ngua	age /	Abst	ract of JP 2	2002	2-277719.					. "		
M.		4	\vdash			_			ract of JP 1		-	-						
M		5	En	glisl	ı La	ngua	age /	Abst	ract of JP 5	8-1	62914.	-						
7						N	,											
EXAMINER	M	W.		1	U						DATE CONSIDERE	D	9/5	104				
*EXAMINER: I and not consider	nitial if or	citatio ude co	n con opy o	sider f this	ed, w	heth with	er or next	not c	itation is in co	onfo apr	rmance with MPEP 60 blicant.	9; Dr	aw line		citation	if not in conf	formance	